

Specification : ED8 Medicinal Plant Extract for Erectile Dysfunction

Treatment/ สารสกัดตำรับยาสมุนไพร ED8 (Manose RM-0114)

(Application : An active ingredient in food supplements for erectile dysfunction treatment/ สารสำคัญในผลิตภัณฑ์เสริมอาหารสำหรับอาการเสื่อมสมรรถภาพทางเพศในชาย)

1. Name of the raw material : ED8 Medicinal Plant Extract for Erectile Dysfunction Treatment
2. Active components : Anthraquinones, flavonoids and proanthocyanidins⁽¹⁾
3. Common and scientific name/ Family of the plant : Golden Shower (*Cassia fistula* L.)/ LEGUMINOSAE-CAESALPINOIDEAE
4. Physical appearance : Brownish powder with specific odor
5. pH : 4 (1% in distilled water)
6. Standardization : HPLC fingerprint using catechin as a marker
7. Solubility : Soluble in water and ethanol
8. Microbial contamination : No pathogenic microorganism with less than 1,000 cfu/g of the total plate count of bacteria, yeast and fungi which is conformed to the Thai FDA regulation
9. Biological activities : PDE5 inhibition at 56.68±3.59% which is 1.25 times of the standard drug, sildenafil (Viagra)⁽²⁾
10. Animal / human performance test : -
11. Safety : LD₅₀ > 5000 mg/kg in animals by oral administration considered as practically nontoxic⁽²⁾
12. Pharmaceutical, food supplement or cosmetic applications : Food supplement for erectile dysfunction treatment

13. Recommended concentrations in the product : -
14. Storage : Keep in tight container at cool place (4 °C) protected from light
15. Precautions : None
16. Cost per kg : Please request

References

1. Bahorun T, Neergheen VS and Aruoma OI. Phytochemical constituents of *Cassia fistula*. **African Journal of Biotechnology** 2005, 4(13): 1530-1540.
2. Manose In-house Project “The Development of Extracts from Thai Medicinal Plants for Erectile Dysfunction Treatment” **Manose Health and Beauty Research Center** (www.manose.co), unpublished, 2016.